

Wood-to-Energy and Biomass Utilization Short Course

August 10th - 14th & August 17th - 21st, 2009

Snow Mountain Ranch Conference Center, Winter Park, Colorado

This is a comprehensive and integrated course curriculum in energy and non-energy forest biomass utilization and conversion technologies. Go beyond the 'basics' of a one or two day workshop and receive training specifically designed to allow course attendees to realistically appraise and establish successful biomass utilization projects and facilities. Our course instructors represent professionals from academia and industry. Supporters of the course include the Governor's Energy Office, USDA Forest Service, Colorado Forest Restoration Institute and the Colorado State Forest Service. This year we will be offering expanded instruction and conversation on **climate change, carbon markets and green marketing for wood products**.

Tentative agenda below but it is subject to change, so please check our website for the most recent agenda www.colostate.edu/programs/cowood/

Agenda Week 1; Tentative, Subject to Change

Monday August 10 th	Tuesday August 11 th	Wednesday August 12 th	Thursday August 13 th	Friday August 14 th
Welcome and 1 st and 2 nd Week Overview	Biomass Harvesting, Costs, and Contractors	Field Day-Bark Beetle Impacts and Management Treatment areas in Northern and North Central CO	Wood Chip Processing, Handling and Storage	Local Government Perspective and Impacts from Bark Beetle and Changing Forest Conditions
Woody Biomass National Strategies and Perspectives	Forest Biomass and Biomass Measurements		Biomass Collection Strategies	National, Regional, and State Policies and Incentives
Overview of Western Forest Conditions	Western Forest Supply Simulation		Perspectives on Carbon Management, Climate Change, and Landscape Hydrology	Financial Incentives for Biomass Treatments and Removals
Mountain Pine Beetle in North and North Central Colorado	CSFS Supply Study and Supply Plans		Perspectives and Strategies of Forest Restoration and Community Collaboration	Course Exercises and Evaluations
Colorado Bark Beetle Cooperative-Lessons for Communities	Course Exercises		Course Exercises	

Agenda Week 2; Tentative, Subject to Change

Monday August 10 th	Tuesday August 11 th	Wednesday August 12 th	Thursday August 13 th	Friday August 14 th
Welcome and 2 nd Week Course Overview	Co-Firing with Wood and Coal	Field Tour(s) of Northern and North central Colorado Wood Processing and Energy Facilities	Steps Towards Establishing a Successful Biomass Energy Facility	Financial Resources and Incentives for Biomass Energy Facility Establishment
Overview of National, Regional, and State Renewable Energy Policies and Strategies	Gilpin County Facility Heating		Role of Traditional or Non-Energy Wood Products Manufacturing and Marketing Infrastructure	Course Wrap-Up, Integration and Review and Evaluations
Woody Biomass Energy Terms and Definitions	Wood Pellet Markets, Technologies and Thermal Heating Applications		Marketing Your Wood Product, Service, Renewable or "Green" Energy Projects	
Biomass Power Generation and Applications	Economic Analysis of Biomass-Energy Applications		Continued	
Case Studies and Course Exercises				



Governor's
Energy Office



Colorado Wood
UTILIZATION & MARKETING PROGRAM

For questions contact Amanda Bucknam at Amanda.bucknam@colostate.edu or 970.491.0801.

Registration

1. To register for the course please visit:

<https://www.regonline.com/biomass2009>

- When on the Web site registering, do not get up and leave the computer and get timed out
 - It is a simple **step-by-step** registration process.
- You may register for one or both weeks.
 - The cost for one week registration is: **\$150**
 - For both weeks: **\$ 250**
- You may use *credit card, check or purchase order*.

2. For lodging, the Colorado State Forest Service has blocked out rooms at Snow Mountain Ranch, YMCA of the Rockies, Winter Park, Colorado.

- Rooms are **\$127/night** and include **all 3 meals**

3. To reserve your rooms:

Call **Cami Sebern**

Family Reservations Manager

YMCA of the Rockies

970-586-3341 ext 2021

- Remember to mention that you are with the group **Colorado State Forest Service**
- Reservation number: **54474**

